

FIGURE 1

47 kDa protein sequence, noon Apr 15, 2003

MW 45936.94 average, 421 aa, 93 % sequence coverage (confirmed residues indicated in red). @S indicates acetylation of the N-terminal serine residue (yielding a mass change +42.011 Da)

1 @SDNGPQSNQR SAPRITFGGP TDSTDNNQNG GRNGARPKQR RPQGLPNNNTA SWFTALTQHG
61 KEELRFPRGQ GVPINTNSGP DDQIGYYRRA TRRVRGGDGK **M**KELSPRWYF YYLGTGPEAS
121 LPYGANKEGI VWVATEGALN TPKDHIGTRN PNNNAATVLQ LPQGTTLPKG FYAEGSRGGS
181 QASSRSSRS RGNSRNSTPG SSRGNSPAR**M** ASGGETALA LLLDLRLNQL ESKVSGKGQQ
241 QQGQTVTKS AAEASKKPRQ KRTATKQYNV TQAFRRGPE QTQGNFGDQD LIRQGTDYKH
301 WPQIAQFAPS ASAFFG**MS**RI GMEVTPSGTW LTYHGAIKLD DKDPQFKDNV ILLNKHIDAY
361 KTFPPTEPKK DKKKKKTDEAQ PLPQRQKKQP TVTLLPAADM DDFSRQLQNS **MSG**ASADSTQ
421 A

FIGURE 2

SARS protein 139 kDa

FIFLLFL TLTSGLDLDR CTTFDDVQAP NYTQHTSSMR GVYYPDEIFR SDTLYLTQDL
 FLPFYSNVTG FHTINHTEGN PVIPFKDGIY FAATEKSNVV RGWVFGSTMN NKSQSIIIN
 NSTNVVIRAC NFELCDNPFF AVSKPMGTQT HTMIFDNAFN CTFEYISDAF SLDVSEKSGN
 FKHLREFVFK NKDGFLYVYK GYQPIDVVRD LPSGFNTLKP IFKLPLGINI TNFRAILTAF
 SPAQDIWGTS AAAYFVGYLK PTTFMLKYDE NGTITDAVDC SQNPLAELKC SVKSFEIDKG
 IYQTSNFRVV PSGDVVRFPN ITNLCPFGEV FNATKFPSVY AWERKKISNC VADYSVLNS
 TFFSTFKCYG VSATKLNDLC FSNVYADSFV VKGDDVRQIA PGQTGVIADY NYKLPDDFMG
 CVLAWNTRNI DATSTGNNY KYRYLRHGKL RPFERDISNV PFSPDGKPCT PPALNCYWPL
 NDYGFYTTTG IGYQPYRVVV LSFELLNAPA TVCGPKLSTD LIKNQCVNFN FNGLTGTGVL
 TPSSKRFQPF QQFGRDVSDF TDSVRDPKTS EILDISPCAF GGVSVITPGT NASSEVAVLY
 QDVNCTDVST AIHADQLTPA WRIYSTGNNV FQTQAGCLIG AEHVDTSEYEC DIPIGAGICA
 SYHTVSLRLS TSQKSIVAYT MSLGADSSIA YSNNTIAIPT NFSISITTEV MPVSMAKTSV
 DCNMYICGDS TECANLLLQY GSFCTQLNRA LSGIAAEQDR NTREVEAQVK QMYKTPTLKY
 FGGFNFSQIL PDPLKPTKRS FIEDLLFNKV TLADAGFMKQ YGECLGDINA RDLICAQKFN
 GLTVLPPLLT DDMIAAYTAA LVSGTATAGW TFGAGAALQI PFAMQMAYRF NGIGVTQNVL
 YENQKQIANQ FNKAISQIQE SLTTTSTALG KLQDVVNQNA QALNTLVKQL SSNFGAIISSV
 LNDILSRLDK VEAQVQIDRL ITGRLQSLQT YVTQQLIRAA EIRASANLAA TKMSECVLGQ
 SKRVDFCGKG YHLMSEFPQAA PHGVVFLHVT YVPSQERNFT TAPAICHEGK AYFPREGVFEV
 FNGTSWFITQ RNFFSPQIIT TDNTFVSGNC DVVIGIINNT VYDPLQPELD SFKEELDKYF
 KNHTSPDIDL GDISGINASV VNIQKEIDRL NEVAKNLNES LIDLQELGKY EQYIKWPWYV
 WLGFIAGLIA IVMVTILLCC MTSCCCLKG ACSCGSCCKF DEDDSEPVLLK GVKLHYT

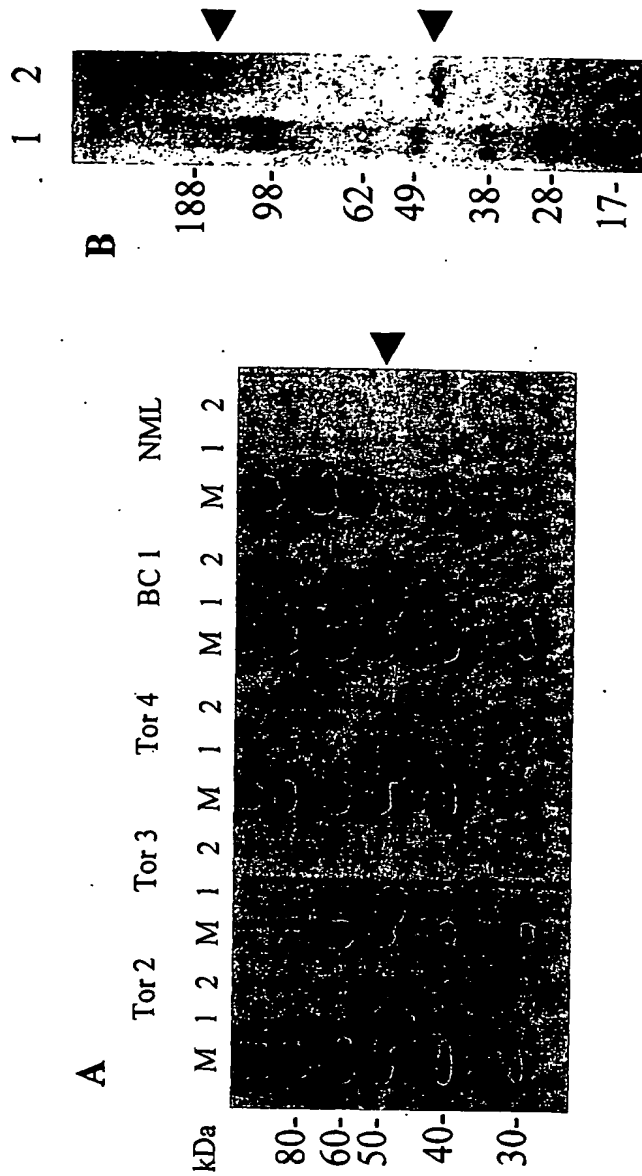


FIGURE 3

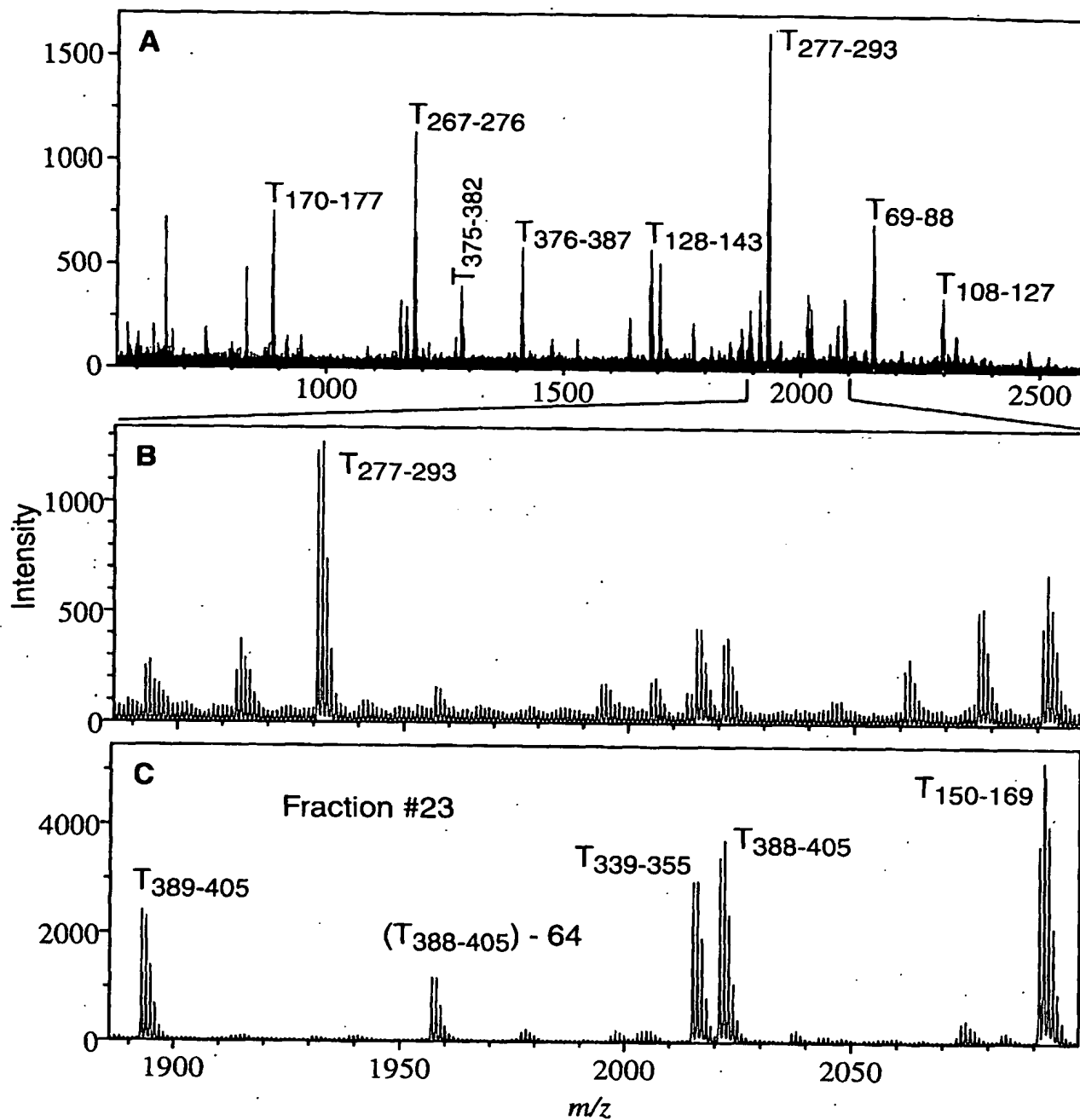


FIGURE 4

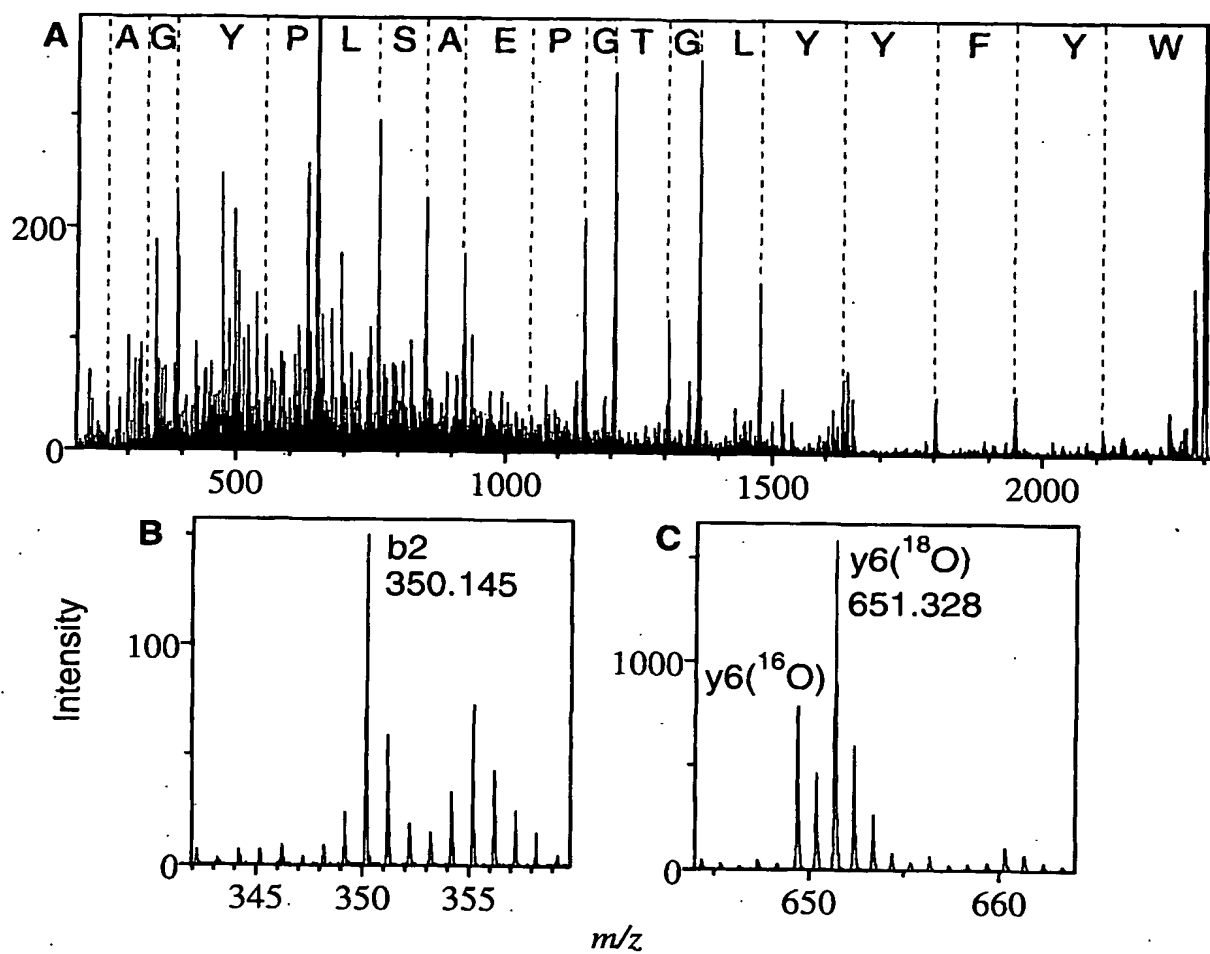


FIGURE 5

Coronavirus Nucleocapsid Protein Homology

...	WYFYYLGTGPEASLPYGAN	...	SARS
...	WYFYYLGTGPHAKDQYGTD	...	Human
...	WYFYYLGTGPHAKDQYGTD	...	Bovine
...	WYFYYLGTGPHAKDQYGTD	...	Turkey
...	WYFYYLGTGPHAKHQYGTD	...	Porcine
...	WYFYYLGTGPHAKAQYGTN	...	Equine
...	WYFYYLGTGPHAGASYGDD	...	Murine
...	WYFYYLGTGPHAGASFGDS	...	Rat

FIGURE 6

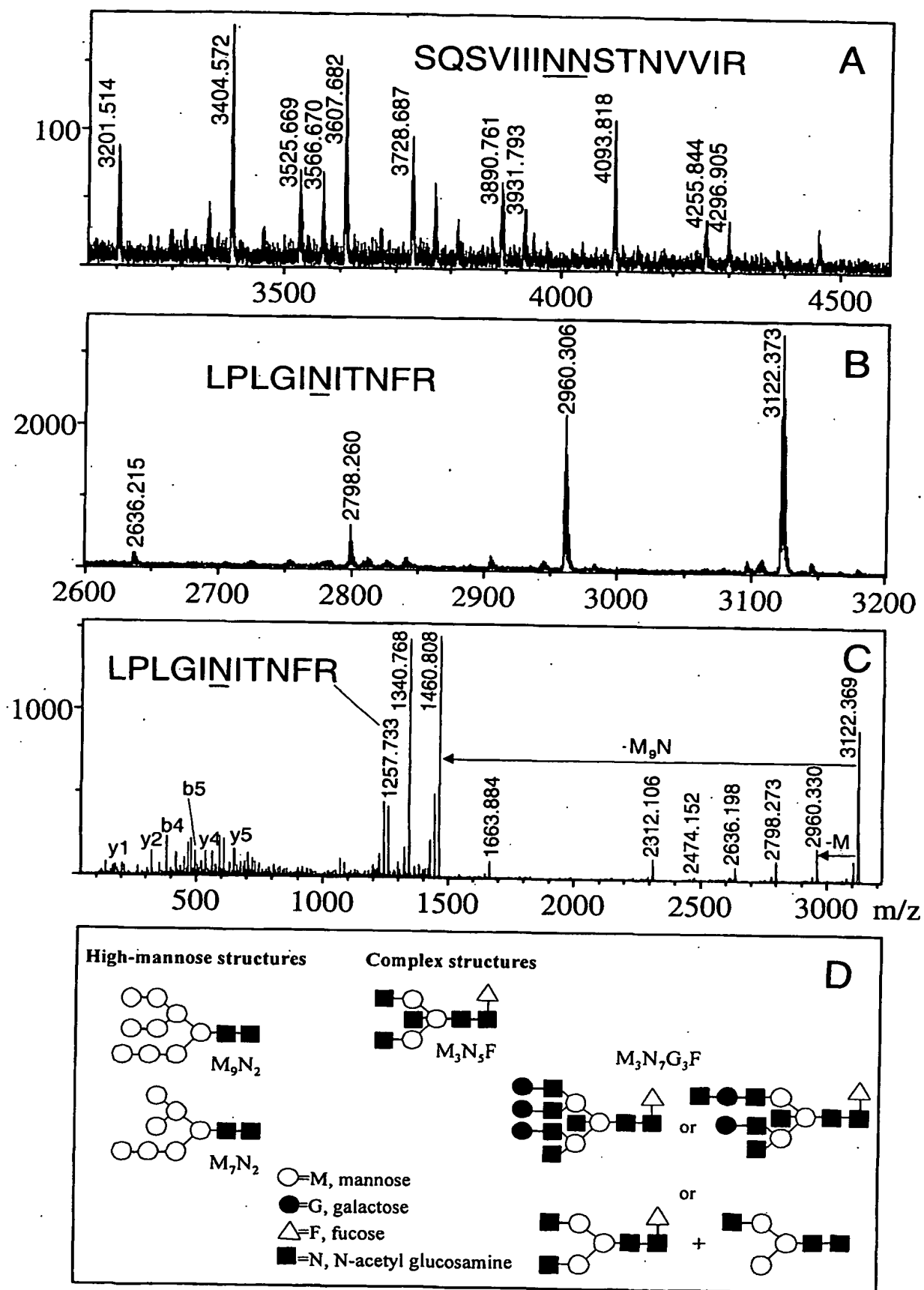


FIGURE 7

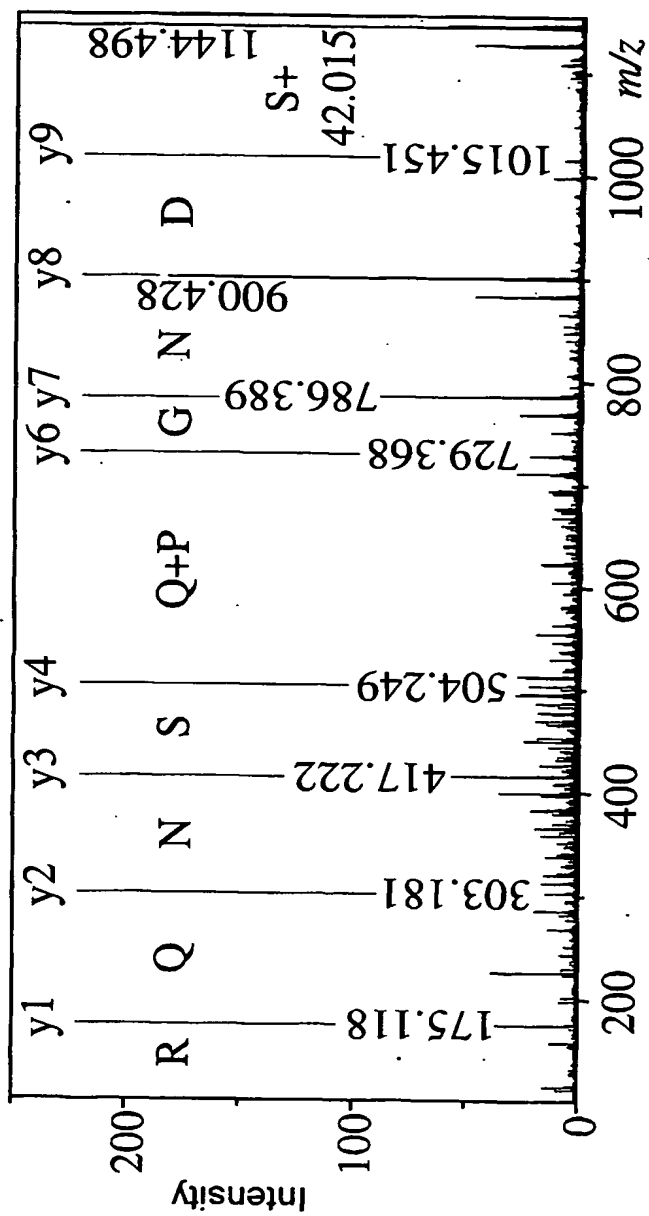


FIGURE 8

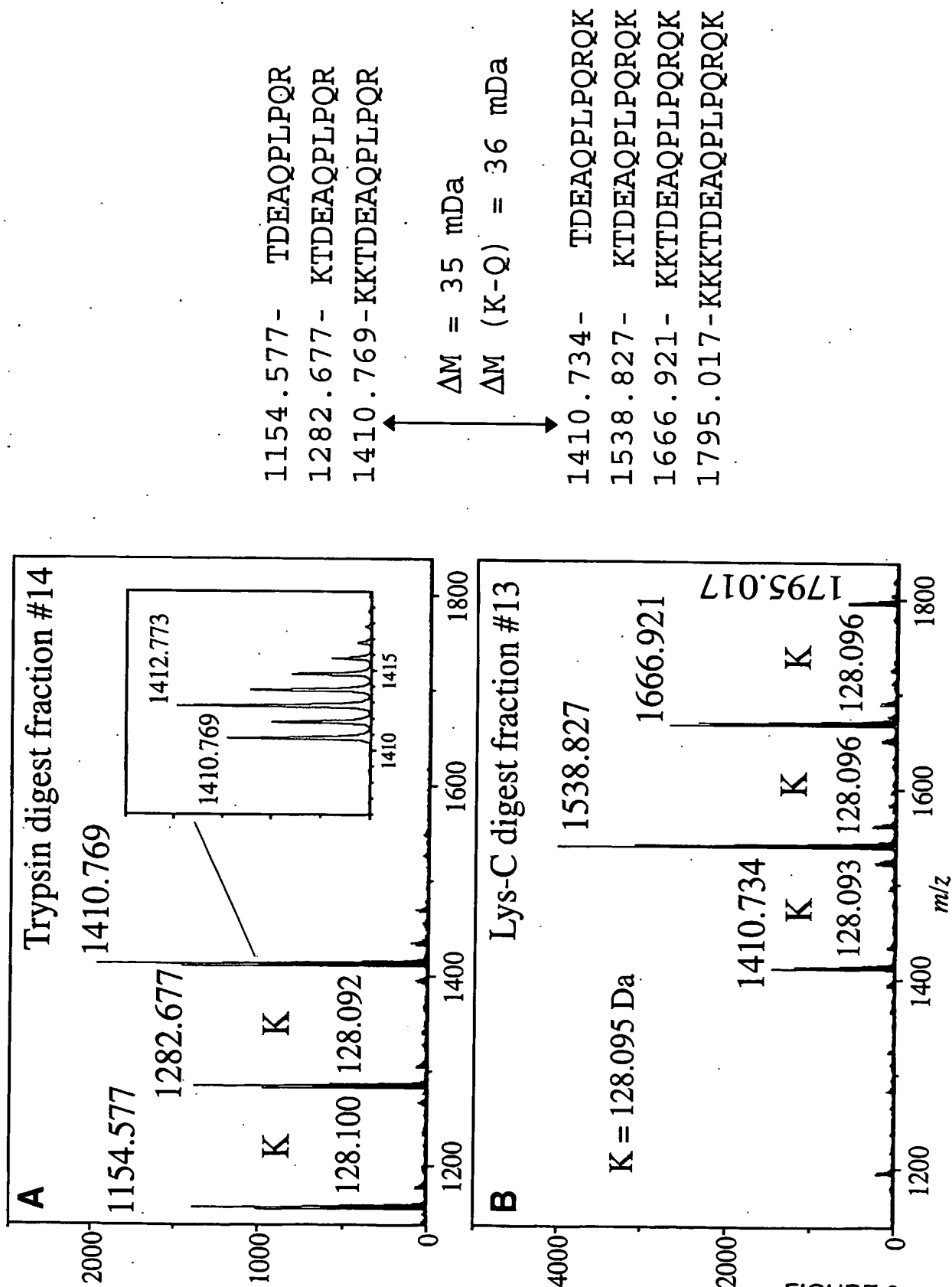


FIGURE 9

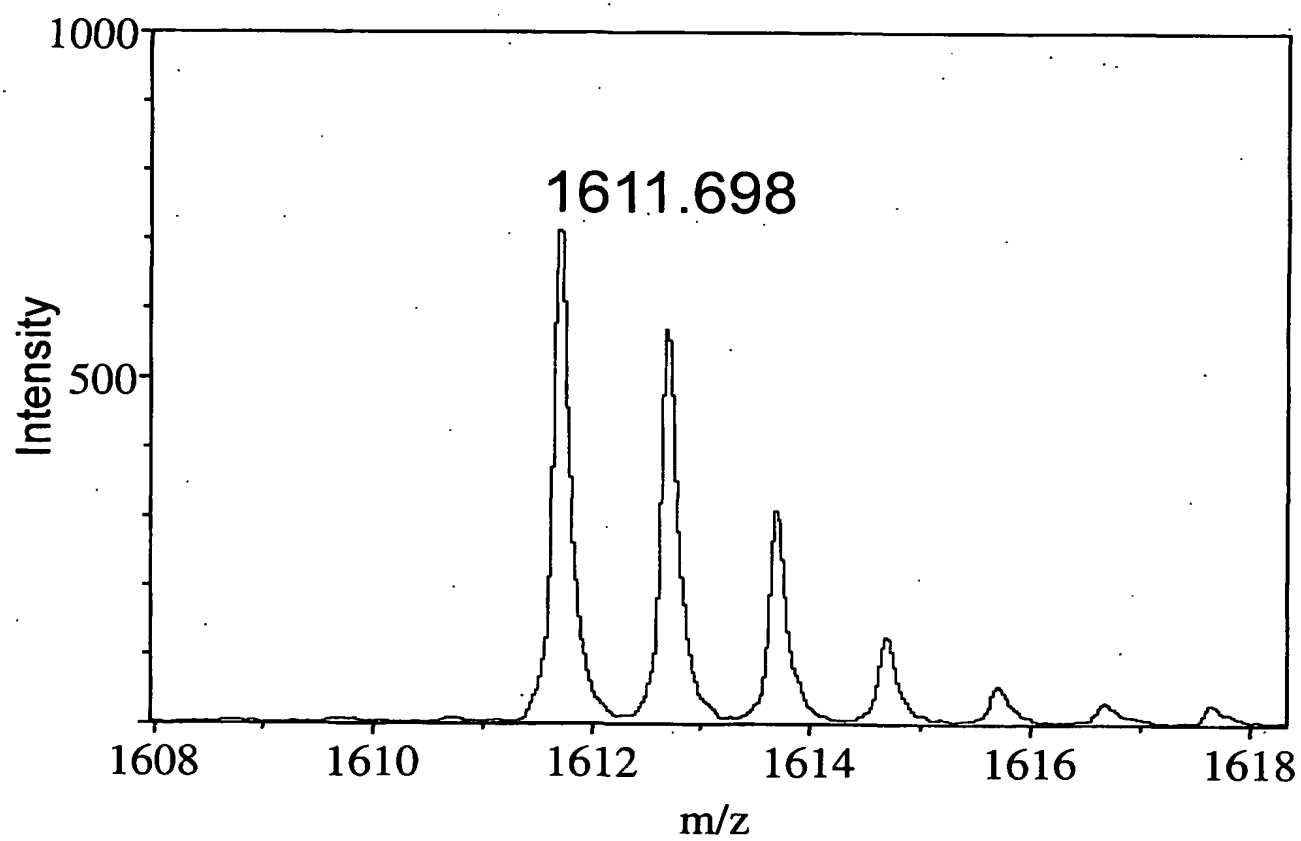


FIGURE 10

A

1 SDNGPQSNQR SAPRITFGGP TDSTDNNQNG GRNGARPKQR RPQGLPNNTA SWFTALTQHG
 61 KEELRFRPGQ GVPINTNSGP DDQIGYYRRA TRVRGGDGK MKELSPRWYF YYLGTGPEAS
 121 LPYGANKEGI VWVATEGALN TPKDHIGTRN PNNNAATVLQ LPQGTTLPGK FYAEGSRGGES
 181 QASSRSSSRG RGNRRNSTPG SRRNSPARM ASGGGETALA LLLDLRLNQL ESKVSGKGQQ
 241 QQGQTVTKKS AAEASKKPRQ KRTATKQYNV TQAFGRRGPE QTQGNFGDQD LIRQGTDYKH
 301 WPQIAQFAPS ASAFFGMSRI GMEVTPSGTW LTYHGAIKLD DKDPQFKDNV ILLNKHIDAY
 361 KTFPPTEPKK DKKKKTDEAQ PLPQRQKKQP TVTLLPAADM DDFSRLQNS MSGASADSTQ
 421 A

B

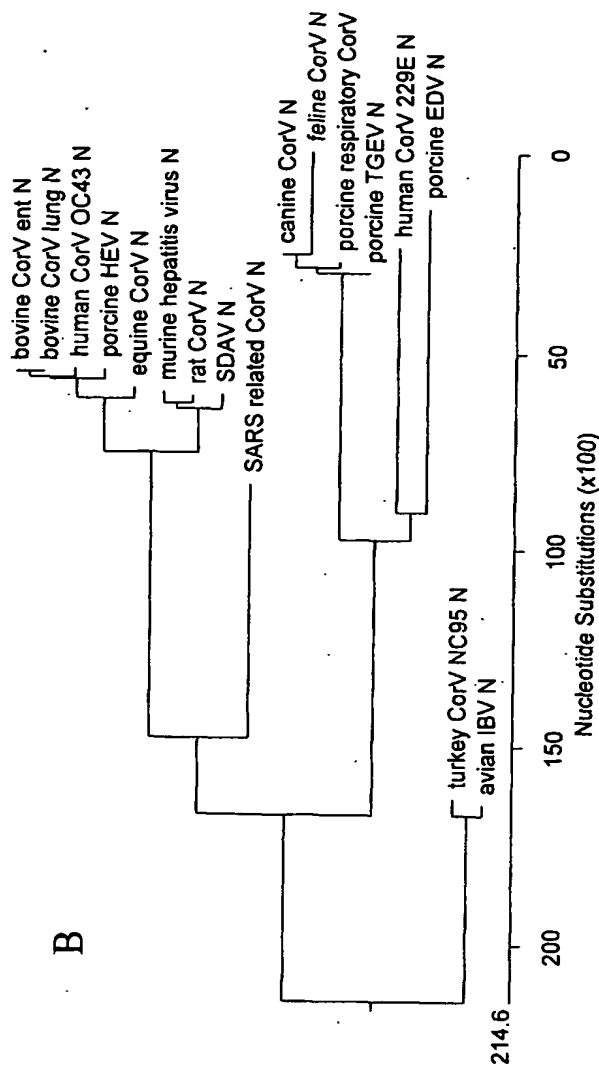


FIGURE 11

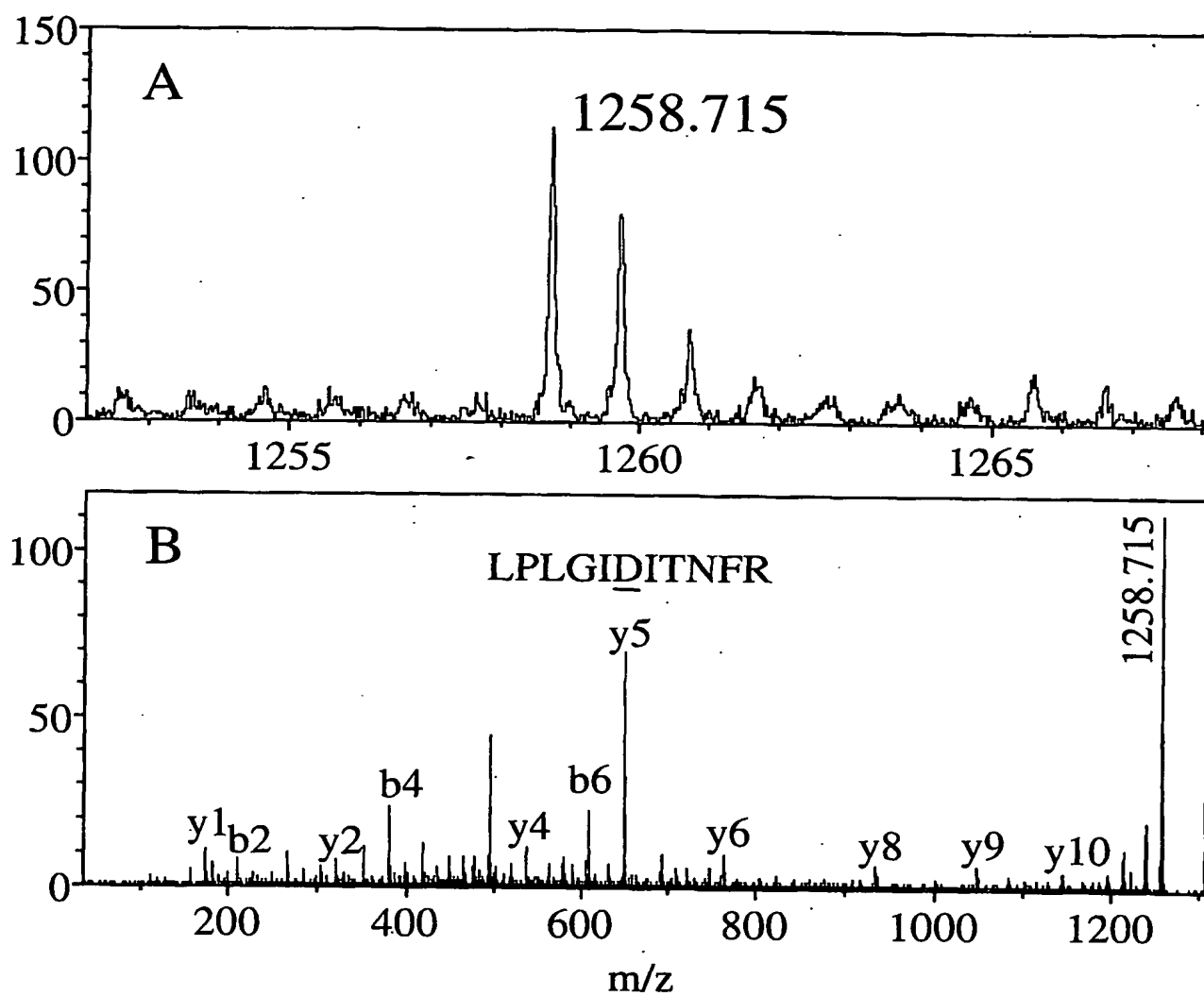


FIGURE 12